



## Twin Cities Creation Science Association

www.tccsa.tc

Serving the Twin Cities since 1973

# CREATION BULLETIN

January 2022

Vol. 48, No. 1

### Moths and Butterflies

Tuesday January 18, 2022, 7:30 PM, 3003 N. Snelling, Roseville, Totino Fine Arts Center F2106

Have you ever thought about how the life cycle of butterflies and moths with its metamorphosis refutes evolution? What's the difference between a cocoon and a chrysalis? A Blue Morpho is not blue, so where does it get its color? How are the eyes of a moth being used to better computers? These and other questions will be answered as we examine the wonderful world of butterflies and moths.

Julie Von Vett is back with another exciting and informative talk on some of God's most beautiful creations. This will be one for everyone one of all ages so bring your kids, neighbors and friends, they won't want to miss this.

Updates at [www.tccsa.tc](http://www.tccsa.tc) All meetings free and open to the public.

Have you considered...

...the albatross? This seabird has a wingspan of 10-12 feet which he uses to soar over the oceans. He rarely has to flap his wings by soaring in and out of air masses moving at different speeds. Speeds of 80 mph for 8 hours have been clocked. Albatrosses can fly for 6 years without landing and travel some 15,000 miles in one month. They feed on fish and squid near the surface, drink sea water which is purified with its special salt-excreting glands and they can even sleep on the wing by putting half their brain to sleep at a time. With all this flying how much energy does an albatross use? Hardly any! In fact, an albatross will use less energy flying thousands of miles than you use sitting in a chair drinking water! How is he able to do this? He has an elbow-locking system. This system allows the wings to be open without muscle activity. With the albatross, the muscles do not hold the wings open instead the tendons hold the wings open. With this elbow locking system and the winds, he can soar without flapping. To stay soaring the wind-speeds need to be monitored. How is this accomplished? He has tubes running along the edge of his bill that measures the exact wind-speed. This is similar to how aircraft measure wind speed with the Pitot tube. Experiments are now being done with unmanned aircraft so they can soar indefinitely. What are these engineers copying? The Albatross. Engineers know a good design when they see it. Who is the greatest engineer of the albatross? God!

<http://oceantracks.org/library/species/laysan-albatross/>, <https://biogeoplanet.com/albatross-flight-dynamic-soaring/>

**Notes:** This month we will be holding an election for TCCSA officers, current members will receive a ballot at the meeting. Also on the ballot will be proposed changes to our Constitution and Bylaws that need updating. The Constitution and Bylaws with proposed changes are posted on our web site [www.tccsa.tc](http://www.tccsa.tc).

You may have noticed we are having to reschedule some speakers as their plans change. Please pray for us as we work to fill each month with the people God has for us.

Long-time TCCSA member Ron Constable, passed away on Dec. 9.

#### Coming Up (Lord Willing)

Feb. 15—Dr. Kevin Lea, Comets and Asteroids  
Mar. 15—Bruce Malone, Trade Secrets of Evolution  
April 19—TBD  
May 17—TBD  
Jun. 21—Brian Young,

#### FIND US ON THE WEB [www.tccsa.tc](http://www.tccsa.tc)

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☐ I want to become a member of **TCCSA** and I subscribe to the Statement of Belief.  
(Calendar year membership dues are \$20.00. Students do not pay dues.)

E-Mail: [david-johnson@usfamily.net](mailto:david-johnson@usfamily.net)

☐ I want to renew my membership in **TCCSA** (note dues above).

Mail: **TCCSA**

☐ Mail newsletter

☐ E-mail newsletters and updates

6300 Georgia Ave. N.

Brooklyn Park, MN 55428-2526

☐ I want to make a donation to help promote Creation Science.

☐ **TCCSA** \_\_\_\_\_ **Adventure Safaris** \_\_\_\_\_

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#### **TCCSA's STATEMENT OF BELIEF**

We believe in God: The Father, Son and Holy Spirit. We believe that the Bible is the inspired Word of God, and that all of its assertions are historically and scientifically true in the original autographs; this means that the account of origins in Genesis is a factual presentation of actual historical truths. We believe that the origin of matter and all basic types of living things, including man, came about through direct creative acts of God during the six-day creation week described in Genesis. Whatever biological changes have occurred since the creation week have accomplished only changes within the created kinds. We believe that the great flood described in Genesis, commonly referred to as the Noachian Flood, was an historic event, world-wide in extent and effect. We accept the account of the special creation of Adam and Eve as the first man and woman. Their subsequent fall into sin, by disobedience of God's direct command, is the basis for our belief in the necessity of a Savior for all mankind. Therefore, we believe that Jesus Christ is our Lord and only Savior and that personal faith in Him is necessary for salvation.

**Twin Cities Creation Science Association**  
**6300 Georgia Ave. N.**  
**Brooklyn Park, MN 55428-2526**

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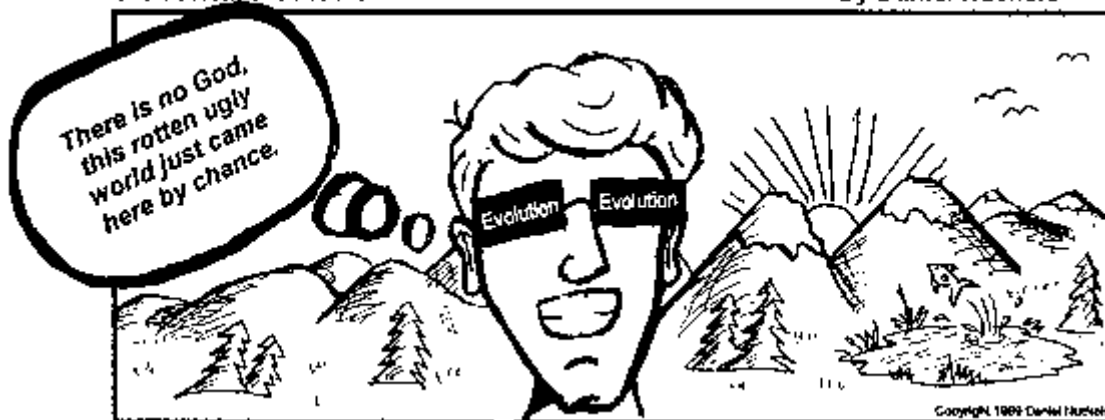
# January 2022

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Many of our **past programs** are **available on DVD** from [david-johnson@usfamily.net](mailto:david-johnson@usfamily.net) or at the above address. DVD's are available at our meetings as they are completed. Let us know if you desire a specific program.

#### **Adventure Safaris**

*By Daniel Nuckols*



This newsletter is also available as an email? You not only receive your newsletter faster, we send a reminder before each meeting. We include late-breaking news, activities, room changes and ZOOM links in the reminder. Let us know if you would like to be included on our email list. We never share your information.

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